

REPLACEMENT SHEET

FIG. 2A

	(SEQ ID NO. 28)	Q V Q L Q Q S G P E L V K P	
KRI27VH	(SEQ ID NO. 27)	CAG GTC CAG CTG CAG CAG TCT GGA CCT GAA CTG GTG AAG CCT	42
	(SEQ ID NO. 44)	Q V Q L V Q S G A E V K K P	
DP7-JH4	(SEQ ID NO. 43)	CAG GTG CAG CTG GTG CAG TCT GGG GCT GAG GTG AAG AAG CCT	
HZI	(SEQ ID NO. 35)	CAG GTC CAG CTG GTG CAG TCT GGA GCT GAA GTG GTG AAG CCT	
HZVII	(SEQ ID NO. 1)	CAG GTC CAG CTG GTG CAG TCT GGA GCT GAA GTG AAG AAG CCT	
HZI	(SEQ ID NO. 36)	- - - - V - - - A - V - - -	
HZVII	(SEQ ID NO. 2)	- - - - V - - - A - V K - -	
	(SEQ ID NO. 28)	G A S V K I S C K A S G Y A	
KRI27VH	(SEQ ID NO. 27)	GGG GCC TCA GTG AAG ATT TCC TGC AAA GCT TCT GGC TAC GCA	84
	(SEQ ID NO. 44)	G A S V K V S C K A S G Y T	
DP7-JH4	(SEQ ID NO. 43)	GGG GCC TCA GTG AAG GTT TCC TGC AAG GCA TCT GGA TAC ACC	
HZI	(SEQ ID NO. 35)	GGG GCC TCA GTG AAG GTT TCC TGC AAA GCT TCT GGC TAC GCA	
HZVII	(SEQ ID NO. 1)	GGG GCC TCA GTG AAG GTT TCC TGC AAA GCT TCT GGC TAC ACC	
HZI	(SEQ ID NO. 36)	- - - - - V - - - - - - - -	
HZVII	(SEQ ID NO. 2)	- - - - - V - - - - - - - - T	
	(SEQ ID NO. 28)	F S <u>S S</u> ^{CDR1} W M N W V K Q R P G	
KRI27VH	(SEQ ID NO. 27)	TTC AGT AGT TCT TGG ATG AAC TGG GTG AAG CAG AGG CCT GGA	126
	(SEQ ID NO. 44)	F T S Y Y M H W V R Q A P G	
DP7-JH4	(SEQ ID NO. 43)	TTC ACC AGC TAC TAT ATG CAC TGG GTG CGA CAG GCC CCT GGA	
HZI	(SEQ ID NO. 35)	TTC AGT AGT TCT TGG ATG AAC TGG GTG CGA CAG GCC CCT GGA	
HZVII	(SEQ ID NO. 1)	TTC ACC AGT GCT TGG ATG AAC TGG GTG CGA CAG GCC CCT GGA	
HZI	(SEQ ID NO. 36)	- - - - - - - - R - A - -	
HZVII	(SEQ ID NO. 2)	- T - A - - - - - R - A - -	
	(SEQ ID NO. 28)	Q G L E W I G <u>R I</u> ^{CDR2} Y P G D G	
KRI27VH	(SEQ ID NO. 27)	CAG GGT CTT GAG TGG ATT GGA CGG ATT TAT CCT GGA GAT GGA	168
	(SEQ ID NO. 44)	Q G L E W M G I I N P S G G	
DP7-JH4	(SEQ ID NO. 43)	CAA GGG CTT GAG TGG ATG GGA ATA ATC AAC CCT AGT GGT GGT	
HZI	(SEQ ID NO. 35)	CAG GGT CTT GAG TGG ATT GGA CGG ATT TAT CCT GGA GAT GGA	
HZVII	(SEQ ID NO. 1)	CAG GGT CTT GAG TGG ATG GGA CGG ATT TAT CCT AGT GGT GGA	
HZI	(SEQ ID NO. 36)	- - - - - - - - - - - - - -	
HZVII	(SEQ ID NO. 2)	- - - - - M - - - - - S G -	

REPLACEMENT SHEET

FIG. 2C

	(SEQ ID NO. 28)	V	S	A	
KRI27VH	(SEQ ID NO. 27)	GTC	TCT	GCA	345
	(SEQ ID NO. 44)	V	S	S	
DP7-JH4	(SEQ ID NO. 43)	GTC	TCT	TCA	
HZI	(SEQ ID NO. 35)	GTC	TCT	TCA	
HZVII	(SEQ ID NO. 1)	GTC	TCT	TCA	
HZI	(SEQ ID NO. 36)	-		S	
HZVII	(SEQ ID NO. 2)	-		S	

REPLACEMENT SHEET

FIG. 4A

	(SEQ ID NO. 30)	D	I	L	M	T	Q	T	P	L	I	L	S	V	T	
KRI27VK	(SEQ ID NO. 29)	GAT	ATC	TTG	ATG	ACC	CAA	ACT	CCA	CTT	ATT	TTG	TCG	GTT	ACC	42
	(SEQ ID NO. 46)	D	I	V	M	T	Q	T	P	L	S	L	S	V	T	
DPK12-JK4	(SEQ ID NO. 45)	GAT	ATT	GTG	ATG	ACC	CAG	ACT	CCA	CTC	TCT	CTG	TCC	GTC	ACC	
HZI	(SEQ ID NO. 37)	GAT	ATC	TTG	ATG	ACC	CAA	ACT	CCA	CTT	TCT	TTG	TCG	GTT	ACC	
HZIV	(SEQ ID NO. 3)	GAT	ATC	GTG	ATG	ACC	CAA	ACT	CCA	CTT	TCT	TTG	TCG	GTT	ACC	
HZI	(SEQ ID NO. 38)	-	-	-	-	-	-	-	-	-	S	-	-	-	-	
HZIV	(SEQ ID NO. 4)	-	-	V	-	-	-	-	-	-	S	-	-	-	-	

	(SEQ ID NO. 30)	I	G	Q	P	A	S	I	S	C	K	S	CDR1 S Q S			
KRI27VK	(SEQ ID NO. 29)	ATT	GGA	CAA	CCA	GCC	TCT	ATC	TCT	TGC	AAG	TCA	AGT	CAG	AGC	84
	(SEQ ID NO. 46)	P	G	Q	P	A	S	I	S	C	K	S	S	Q	S	
DPK12-JK4	(SEQ ID NO. 45)	CCT	GGA	CAG	CCG	GCC	TCC	ATC	TCC	TGC	AAG	TCT	AGT	CAG	AGC	
HZI	(SEQ ID NO. 37)	CCT	GGA	CAA	CCA	GCC	TCT	ATC	TCT	TGC	AAG	TCA	AGT	CAG	AGC	
HZIV	(SEQ ID NO. 3)	CCT	GGA	CAA	CCA	GCC	TCT	ATC	TCT	TGC	AAG	TCA	AGT	CAG	AGC	
HZI	(SEQ ID NO. 38)	P	-	-	-	-	-	-	-	-	-	-	-	-	-	
HZIV	(SEQ ID NO. 4)	P	-	-	-	-	-	-	-	-	-	-	-	-	-	

	(SEQ ID NO. 30)	L	L	Y	S	CDR1 N G K			T	Y	L	N	W	L	L	
KRI27VK	(SEQ ID NO. 29)	CTC	TTA	TAT	AGT	AAT	GGA	AAA	ACC	TAT	TTG	AAT	TGG	TTA	TTA	126
	(SEQ ID NO. 46)	L	L	H	S	D	G	K	T	Y	L	Y	W	Y	L	
DPK12-JK4	(SEQ ID NO. 45)	CTC	CTG	CAT	AGT	GAT	GGA	AAG	ACC	TAT	TTG	TAT	TGG	TAC	CTG	
HZI	(SEQ ID NO. 37)	CTC	TTA	TAT	AGT	AAT	GGA	AAA	ACC	TAT	TTG	AAT	TGG	TTA	TTA	
HZIV	(SEQ ID NO. 3)	CTC	TTA	TAT	AGT	AAT	GGA	AAA	ACC	TAT	TTG	AAT	TGG	TTA	TTA	
HZI	(SEQ ID NO. 38)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HZIV	(SEQ ID NO. 4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

	(SEQ ID NO. 30)	Q	R	P	G	Q	S	P	K	R	L	I	Y	CDR2 L V		
KRI27VK	(SEQ ID NO. 29)	CAG	AGG	CCA	GGC	CAG	TCT	CCA	AAG	CGC	CTA	ATC	TAT	CTG	GTG	168
	(SEQ ID NO. 46)	Q	K	P	G	Q	P	P	Q	L	L	I	Y	E	V	
DPK12-JK4	(SEQ ID NO. 45)	CAG	AAG	CCA	GGC	CAG	CCT	CCA	CAG	CTC	CTG	ATC	TAT	GAA	GTT	
HZI	(SEQ ID NO. 37)	CAG	AAG	CCA	GGC	CAG	TCT	CCA	AAG	CGC	CTA	ATC	TAT	CTG	GTG	
HZIV	(SEQ ID NO. 3)	CAG	AAG	CCA	GGC	CAG	CCT	CCA	CAG	CGC	CTA	ATC	TAT	CTG	GTG	
HZI	(SEQ ID NO. 38)	-	K	-	-	-	-	-	-	-	-	-	-	-	-	
HZIV	(SEQ ID NO. 4)	-	K	-	-	-	P	-	Q	-	-	-	-	-	-	

REPLACEMENT SHEET

FIG. 4B

	(SEQ ID NO. 30)	CDR2																	
		S	K	L	D	S	G	V	P	D	R	F	T	G	S				
KRI27VK	(SEQ ID NO. 29)	TCT	AAA	CTG	GAC	TCT	GGA	GTC	CCT	GAC	AGG	TTC	ACT	GGC	AGT	210			
	(SEQ ID NO. 46)	S	N	R	F	S	G	V	P	D	R	F	S	G	S				
DPK12-JK4	(SEQ ID NO. 45)	TCC	AAC	CGG	TTC	TCT	GGA	GTG	CCA	GAT	AGG	TTC	AGT	GGC	AGC				
HZI	(SEQ ID NO. 37)	TCT	AAA	CTG	GAC	TCT	GGA	GTC	CCT	GAC	AGG	TTC	AGT	GGC	AGT				
HZIV	(SEQ ID NO. 3)	TCT	AAT	CGG	GAC	TCT	GGA	GTC	CCT	GAC	AGG	TTC	AGT	GGC	AGT				
HZI	(SEQ ID NO. 38)	-	-	-	-	-	-	-	-	-	-	-	S	-	-				
HZIV	(SEQ ID NO. 4)	-	N	R	-	-	-	-	-	-	-	-	S	-	-				
	(SEQ ID NO. 30)	G	S	G	T	D	F	T	L	K	I	I	R	V	E				
KRI27VK	(SEQ ID NO. 29)	GGA	TCA	GGA	ACA	GAT	TTT	ACA	CTG	AAA	ATC	ATC	AGA	GTG	GAG	252			
	(SEQ ID NO. 46)	G	S	G	T	D	F	T	L	K	I	S	R	V	E				
DPK12-JK4	(SEQ ID NO. 45)	GGG	TCA	GGG	ACA	GAT	TTC	ACA	CTG	AAA	ATC	AGC	CGG	GTG	GAG				
HZI	(SEQ ID NO. 37)	GGA	TCA	GGA	ACA	GAT	TTT	ACA	CTG	AAA	ATC	AGC	AGA	GTG	GAG				
HZIV	(SEQ ID NO. 3)	GGA	TCA	GGA	ACA	GAT	TTT	ACA	CTG	AAA	ATC	AGC	AGA	GTG	GAG				
HZI	(SEQ ID NO. 38)	-	-	-	-	-	-	-	-	-	-	S	-	-	-				
HZIV	(SEQ ID NO. 4)	-	-	-	-	-	-	-	-	-	-	S	-	-	-				
	(SEQ ID NO. 30)	A	E	D	L	G	V	Y	Y	C	CDR3								
KRI27VK	(SEQ ID NO. 29)	GCT	GAG	GAT	TTG	GGA	GTT	TAT	TAC	TGC	GTG	CAA	GGT	ACA	CAT	294			
	(SEQ ID NO. 46)	A	E	D	V	G	V	Y	Y	C	M	Q	S	I	Q				
DPK12-JK4	(SEQ ID NO. 45)	GCT	GAG	GAT	GTT	GGG	GTT	TAT	TAC	TGC	ATG	CAA	AGT	ATA	CAG				
HZI	(SEQ ID NO. 37)	GCT	GAG	GAT	GTT	GGA	GTT	TAT	TAC	TGC	GTG	CAA	GGT	ACA	CAT				
HZIV	(SEQ ID NO. 3)	GCT	GAG	GAT	GTT	GGA	GTT	TAT	TAC	TGC	GTG	CAA	GGT	ACA	CAT				
HZI	(SEQ ID NO. 38)	-	-	-	V	-	-	-	-	-	-	-	-	-	-				
HZIV	(SEQ ID NO. 4)	-	-	-	V	-	-	-	-	-	-	-	-	-	-				
	(SEQ ID NO. 30)	CDR3				F	P	Q	T	F	G	G	G	T	K	L	E	I	K
KRI27VK	(SEQ ID NO. 29)	TTT	CCT	CAG	ACG	TTC	GGT	GGA	GGG	ACC	AAG	CTG	GAA	ATC	AAA	336			
	(SEQ ID NO. 46)	L	P			T	P	G	G	G	T	K	V	E	I	K			
DPK12-JK4	(SEQ ID NO. 45)	CTT	CCT	CCN	ACG	TTC	GGT	GGA	GGC	ACC	AAG	GTG	GAA	ATC	AAA				
HZI	(SEQ ID NO. 37)	TTT	CCT	CAG	ACG	TTC	GGT	GGA	GGC	ACC	AAG	GTG	GAA	ATC	AAA				
HZIV	(SEQ ID NO. 3)	TTT	CCT	CAG	ACG	TTC	GGT	GGA	GGC	ACC	AAG	GTG	GAA	ATC	AAA				
HZI	(SEQ ID NO. 38)	-	-	-	-	-	-	-	-	-	-	-	V	-	-	-			
HZIV	(SEQ ID NO. 4)	-	-	-	-	-	-	-	-	-	-	-	V	-	-	-			